

## SEQUENCE LISTING

<110> Nichirei Corporation

<120> Primer and probe for detection of vibrio cholera or vibrio mimicus and  
method of using thereof

<130> PH-1967-PCT

<140>

<141>

<150> JP 2002/362878

<151> 2002-12-13

<160> 6

<170> PatentIn Ver. 2.1

<210> 1

<211> 885

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio  
cholera and vibrio mimicus -gyrB

<400> 1

gtmtccggyg gtctrcacgg ggtaggtgtg tggtrgtka aygscbtbc wgaaaaagtg 60  
 ctrctbacca tytategygg yggcaaraty caywscsaaa cttaccatca ygggtgtgcca 120  
 caagcacctg tgkctgttgt rggtgakacw gagcggtaccg gtactaccgt acgtttcttg 180  
 ccwagygcac aracytttac caatatcgaa ttycattacg acattytggc taaacgyctg 240  
 cgtgagctgt cattcctgaa ytctggcgtg tcgatcaagc tgaysgatga rcgtgaagaa 300  
 gataaraaag accacttyat gtatgaaggk ggtattcaag cgtttgtkac ccacttgaac 360  
 cgyaayaaaa cgccratcca tgaraaagtm ttccacttya accaagagcg tgaagatggc 420  
 atcagcgtgg aagtggcrat gcagtggaay gatggtttcc aagaaaacat ctactgcttt 480  
 acyaacaaca tyccacagcg tgatggyggt acccayttag cyggtttccg tgggtgcrttg 540  
 acccgacttt tgaacaacta yatggayaaa gaaggcttct cgaagaaagc scaagcrgca 600  
 acctcgggtg atgatgcgcg tgaaggctta acrgcdgtkg tdtcggtgaa agtrccrgat 660  
 cctaaattct cragccaaac caaagataag ctrgtttctt cggargtraa atccgcrgtt 720  
 gartcagcya tgaatgagaa gctggcrgat ttctrgcgg aaaaccaag cgaagcgaaa 780  
 aacgtttgtt cgaagattat tgatgcrgcr cghgckcgtg aagcvgcgcg taaagcmcgk 840  
 gaaatgacyc gycgtaaagg cgcgytrgay ythgcwgggt trcch 885

<210> 2

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio cholera and vibrio mimicus -rpoD

<400> 2

acacgtgaag gygaaatcga tattgccaag cgcattgaag atggtattaa ccaagttcaa 60  
 agtgcgattg ctgagtatcc tggaaccatc ccwtayattc ttgarcagtt tgaymrkgtt 120

caggcmgaag arctacgtct sactgayctg atttcwgggt tcgttgaycc taacgacatg 180  
 gaaaccgaag cgccaacygc kactcacatc ggttcwgarc tytctgaagc sgatctcgck 240  
 gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt 300  
 gaaagyagcg acagcgaaga agaagtsagg atygacctg arctsgctcg tgagaaattc 360  
 aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggctcgtgac 420  
 agtmaycaag cwtctgaagc ktcarrcytr gtrytggata tyttccgyga attccgycta 480  
 acaccaaarc aattygacca yttggttgaa actctgcgya cytcratgga tcgtgttcgy 540  
 acccaagarc gyttggtrat gaaagcvgr gttgaagtcg cgaaratgcc raagaaatcr 600  
 ttyatygcyc trtttacagg caatgaatcg aatgargart ggctbgataa agtvctygct 660  
 tctgayaarc cttaygtasm raaagtmcgt gagcaagaag amgakatycg ccgytcaaty 720  
 caraaactdc aratgatcga rcargagacw tcaactgtctg ttgarcgyat caaagacatc 780  
 agccgtcgta tgtcwatcgg tgargcraaa gctcgccgtg cg 822

<210> 3

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence vibrio cholera-*gyrB*

<400> 3

acacgtgaag gygaaatcga tattgccaaag cgcattgaag atggtattaa ccaagttcaa 60  
 agtgcgattg ctgagtatcc tggaaccatc ccwtayattc ttgarcagtt tgaymrkggt 120  
 caggcmgaag arctacgtct sactgayctg atttcwgggt tcgttgaycc taacgacatg 180  
 gaaaccgaag cgccaacygc kactcacatc ggttcwgarc tytctgaagc sgatctcgck 240  
 gatgaagatg aygmkgtcgy sgargatgaa gacgargatg aagaygaaga yggcgacggt 300

gaaagyagcg acagcgaaga agaagtsagt atygacctg arctsgctcg tgagaaattc 360  
 aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420  
 agtmaycaag cwtctgaagc ktcarrcytr gtrytggata tyttccgyga attccgycta 480  
 acaccaaarc aattygacca yttggttgaa actctgcgga cytcratgga tcgtgttcgy 540  
 acccaagarc gyttggtrat gaaagcvgr gttgaagtcg cgaaratgcc raagaaatcr 600  
 ttyatygcyc trtttacagg caatgaatcg aatgargart ggctbgataa agtvctygct 660  
 tctgayaarc cttaygtasm raaagtmcgt gagcaagaag amgakatygc ccgytcaaty 720  
 caraaactdc aratgatcga rcargagacw tcaactgtctg ttgarcgyat caaagacatc 780  
 agccgtcgta tgtcwatcgg tgargcraaa gctcgccgtg cg 822

<210> 4

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio cholera -rpoD

<400> 4

acacgtgaag gtgaaatcga tattgccaag cgcattgaag atggtattaa ccaagttcaa 60  
 agtgcgattg ctgagtatcc tggaaccatc ccttatattc ttgagcagtt tgatcgtgtt 120  
 caggccgaag agctacgtct cactgacctg atttcaggtt tcgttgaycc taacgacatg 180  
 gaaaccgaag cgccaaccgc gactcacatc ggttctgagc tttctgaagc ggatctcgcg 240  
 gatgaagatg atgctgtcgt cgaagatgaa gacgaagatg aagacgaaga tggcgacggg 300  
 gaaagcagcg acagcgaaga agaagtcggt atcgacctg aactggctcg tgagaaattc 360  
 aatgaactgc gcggyaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420  
 agtcatcaag cttctgaagc gtcagactta gtgytggata tcttccgtga attccgycta 480  
 acaccaaagc aattcgacca cttggttgaa actctgcgca cttcaatgga tcgtgttcgc 540

acccaagaac gtttggttat gaaagcggta gttgaagtcg cgaagatgcc gaagaaatcg 600  
 ttcatcgccc tatttacagg caatgaatcg aatgaagagt ggctggataa agtccttgct 660  
 tctgacaagc cttacgtagc gaaagtccgt gagcaagaag aagagatccg ccgttcaatt 720  
 cagaaactac aaatgatcga gcaagagaca tcaactgtctg ttgaacgcat caaagacatc 780  
 agccgtcgta tgtcaatcgg tgaggcraaa gctcgccgtg cg 822

<210> 5

<211> 885

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus sequence of vibrio  
 mimicus -gyrB

<400> 5

gtctccggtg gtctacacgg ggtaggtgtg tcggtagtga atgccctgtc agaaaaagtg 60  
 ctgctbacca tttatcgtgg tggcaagatt cacacccaaa cttaccatca cggtgtgcca 120  
 caagcaccgt tgtctgtrgt gggtagact gagcgtaccg gtactaccgt acgtttcttg 180  
 cctagtgcac agacttttac caatatcgaa ttccattacg acattctggc taaacgyctg 240  
 cgtgagctgt cattcctgaa ctctggcgtg tcgatcaagc tgacggatga gcgtgaagaa 300  
 gataagaaag accacttyat gtatgaaggt ggtattcaag cgtttgtkac ccacttgaac 360  
 cgtaayaaaa cgccgatcca tgaaaaagta ttccacttca accaagagcg tgaagatggc 420  
 atcagcgtgg aagtggcaat gcagtggaac gatggtttcc aagaaaacat ctactgcttt 480  
 accaacaaca tyccacagcg tgatggcggg acccacttag cyggtttccg tgggtgcrttg 540  
 acccgacttt tgaacaacta catggacaaa gaaggcttct cgaagaaagc scaagcrgca 600  
 acctcgggtg atgatgcgcg tgaaggetta acrgcrgtkg tktcggtgaa agtrccrgat 660  
 cctaaattct cragccaaac caaagataag ctrgtttctt cggargtgaa atccgcgggt 720  
 gagtcagcca tgaatgagaa gctggcggat ttcttgccgg aaaaccaag cgaagcgaaa 780

aacgtttggt cgaagattat tgatgcrgr cghgctcgtg aagcvgcgcg taaagcacgt 840  
gaaatgacyc gtcgtaaagg cgcgctagay ytmgctgggt tgccw 885

<210> 6

<211> 822

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: consensus sequence of vibrio  
mimicus -rpoD

<400> 6

acacgtgaag gcgaaatcga tattgccaa cgcattgaag atggtattaa ccaagttcaa 60  
agtgcgattg ctgagtatcc tggaaccatc ccatacatc ttgaacagtt tgacaagggt 120  
caggcagaag aactacgtct gactgayctg atttctgggt tcgttgatcc taacgacatg 180  
gaaaccgaag cgccaactgc tactcacatc gggttcagarc tctctgaagc cgatctcgct 240  
gatgaagatg acgaggctgc ggaggatgaa gacgaggatg aagatgaaga cggcgcacggt 300  
gaaagyagcg acagcgaaga agaagtgggt attgaccctg agctcgctcg tgagaaattc 360  
aatgaactgc gcggcaagtt ccaaaacctg caattagcgg ttaatgaatt tggtcgtgac 420  
agtaaccaag catctgaagc ttcaagcctg gtactggata tyttccgcga attccgccta 480  
acaccaaaac aatttgacca tttggttgaa actctgcgta cctcgatgga tcgtgttcgt 540  
accaagagc gyttggtgat gaaagcvgtg gttgaagtcg cgaaaatgcc aaagaaatca 600  
tttattgcyc trtttacagg caatgaatcg aatgargaat ggctygataa agtrctcgct 660  
tctgataarc cttatgtaca aaaagtacgt gagcaagaag acgatattcg ccgctcaatc 720  
caaaaactkc agatgatcga acargagact tcaactgtctg ttgagcgtat caaagacatc 780  
agccgtcgta tgtctatcgg tgaagcgaaa gctcgccgtg cg 822